



IFW

Docket No.: 1254-0267PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

In re Patent Application of:  
Toshinori FURUHASHI et al.

Application No.: 10/522,747

Confirmation No.: 9315

Filed: January 28, 2005

Art Unit: N/A

For: DISPLAY APPARATUS FOR  
PRESENTATION

---

Examiner: Not Yet Assigned

**LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Subsequent to the filing of the above-identified application on January 28, 2005, attached hereto is an English translation of the International Preliminary Examination Report (Form PCT/IPEA/409) that should be made of record in the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or to credit any overpayment to Deposit Account No. 02-2448 for any

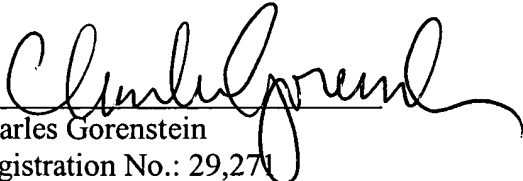
Application No.: 10/522,747

Docket No.: 1254-0267PUS1

additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Dated: September 9, 2005

Respectfully submitted,

By   
Charles Gorenstein  
Registration No.: 29,271  
BIRCH, STEWART, KOLASCH & BIRCH, LLP  
8110 Gatehouse Rd  
Suite 100 East  
P.O. Box 747  
Falls Church, Virginia 22040-0747  
(703) 205-8000  
Attorney for Applicant

Attachment(s)

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT  
(PCT Rule 72.2)

To:

HIRAKI, Yusuke  
Toranomon No.5 Mori Building Third Floor, 17-1,  
Toranomon 1-chome  
Minato-ku, Tokyo 105-0001  
JAPON

Date of mailing ( <i>day/month/year</i> ) 21 April 2005 (21.04.2005)	
Applicant's or agent's file reference PH-1826-PCT	IMPORTANT NOTIFICATION
International application No. PCT/JP2003/00904	International filing date ( <i>day/month/year</i> ) 17 July 2003 (17.07.2003)
Applicant SHARP KABUSHIKI KAISHA et al	

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

**2. Transmittal of the copy of the translation to the elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

CN, EP, KR

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

US

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.



The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No.+41 22 740 14 35	Authorized officer  Masashi Honda  Facsimile No.+41 22 338 70 10
--	--

Translation

PATENT COOPERATION TREATY

PCT/JP2003/009094



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PH-1826-PCT	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2003/009094	International filing date (day/month/year) 17 July 2003 (17.07.2003)	Priority date (day/month/year) 31 July 2002 (31.07.2002)
International Patent Classification (IPC) or national classification and IPC G06F 3/033		
Applicant SHARP KABUSHIKI KAISHA		

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>7</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>5</u> sheets.</p>	
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>	

Date of submission of the demand 18 November 2003 (18.11.2003)	Date of completion of this report 17 August 2004 (17.08.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/009094

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
pages 1-14, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement under Article 19  
pages \_\_\_\_\_, filed with the demand  
pages 1-12, filed with the letter of 13 April 2004 (13.04.2004)
- ☒ the drawings:  
pages 1-9, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/JP 03/09094

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	1-12	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-12	NO
Industrial applicability (IA)	Claims	1-12	YES
	Claims		NO

## 2. Citations and explanations

Document 1: JP 7-44315 A (Sony Corporation), 14 February 1995, paragraph 8, line 42 to paragraph 9, line 28; paragraph 10, lines 3 to 9, paragraph 14, line 48 to paragraph 15, line 2 & US 5453758 A

Document 2: JP 62-229417 A (Toshiba Corporation), 8 October 1987, page 2, lower left column, lines 5 to 12 (Family: none)

Document 3: JP 62-40517 A (Toshiba Corporation), 21 February 1987, page 2, upper left column, lines 2 to 9; page 2, upper right column, line 14 to lower left column, line 6; fig. 6 (Family: none)

## Claim 1

The invention set forth in claim 1 does not involve an inventive step in the light of documents 1 and 2 cited in the international search report.

Document 1 sets forth an input device, wherein if the angular velocity when the main body of the device is shaken exceeds a predetermined value, a command code for movement in the direction corresponding to the direction in which the device was shaken is outputted, and the cursor is moved according to this movement command code.

Here, document 1 (paragraph 14, line 48 to paragraph 15, line 2) indicates that the movement command code is outputted repeatedly, therefore it would be obvious to a person skilled in the art that in the input device set forth in document 1, the movement distance of the cursor is determined according to the time which the device main body is shaken.

In addition, document 2 sets forth an input device, wherein if the same data is inputted consecutively a predetermined number of times, this inputted data is output, therefore it would be easy for a person skilled in the art to conceive of outputting a movement command code when the same movement command code has been obtained a predetermined number of times, in the input device set forth in document 1.

#### Claim 2

The invention set forth in claim 2 does not involve an inventive step in the light of documents 1 and 2 cited in the international search report.

It is a known technique to control an indicator for numerical settings with a pointing device or other input device, therefore it would be easy for a person skilled in the art to conceive of controlling the indicator for numerical settings using the input device set forth in document 1.

#### Claim 3

The invention set forth in claim 3 does not involve an inventive step in the light of documents 1 and 2 cited in the international search report.

It is a known feature for a pointing device or other input device to pan across a screen, therefore it would be easy for a person skilled in the art to conceive of panning the input device set forth in document 1 across a

screen.

Claim 4

The invention set forth in claim 4 does not involve an inventive step in the light of documents 1 and 2 cited in the international search report.

It is a known technique to move or expand a sub-screen with a pointing device or other input device, therefore it would be easy for a person skilled in the art to conceive of moving or expanding a sub-screen with the input device set forth in document 1.

Claim 5

The invention set forth in claim 5 does not involve an inventive step in the light of documents 1 to 3 cited in the international search report.

Document 3 sets forth a display control device, wherein the number of steps by which a cursor moves (cursor movement velocity) is calculated according to the number of times the key is pressed repeatedly, and the cursor movement velocity is gradually increased according to the length of time the key is manipulated. It would therefore be easy for a person skilled in the art to conceive of calculating the cursor movement velocity based on the number of times the movement command code is repeated, and gradually increase the cursor movement velocity according to the length of manipulation time.

In addition, it is a known technique to control the indicator for numerical settings using a pointing device or other input device, therefore it would be easy for a person skilled in the art to conceive of controlling the indicator for numerical settings using the input device set forth in document 1.

Claim 6

The invention set forth in claim 6 does not involve

an inventive step in the light of documents 1 and 2 cited in the international search report.

Here, document 1 indicates that movement command codes are output repeatedly, therefore it is obvious that in the input device set forth in document 1, the cursor movement distance is determined according to the time that the device main body is shaken.

In addition, document 2 sets forth an input device, wherein if the same data is inputted consecutively a predetermined number of times, then this input data is output. It would therefore be easy for a person skilled in the art to conceive of outputting a movement command code if the same command code is obtained a predetermined number of times, in the input device set forth in document 1.

#### Claim 7

The invention set forth in claim 7 does not involve an inventive step in the light of documents 1 to 3.

Document 3 sets forth a display control device, wherein the number of steps by which a cursor moves (cursor movement velocity) is calculated according to the number of times the key is pressed repeatedly, and the cursor movement velocity is gradually increased according to the length of time the key is manipulated. It would therefore be easy for a person skilled in the art to conceive of calculating the cursor movement velocity based on the number of times the movement command code is repeated, and gradually increase the cursor movement velocity according to the length of the manipulation time.

#### Claims 8 to 12

The invention set forth in claims 8 to 12 does not involve an inventive step in the light of documents 1 and 2 cited in the international search report.

Document 1 sets forth an input device, wherein if the angular velocity when the main body of the device is shaken exceeds a predetermined value, a command code for movement in the direction corresponding to the direction in which the device was shaken is output, and the cursor is moved according to this movement command code.

Here, document 1 indicates that the movement command code is output repeatedly, therefore it would be obvious to a person skilled in the art that in the input device set forth in document 1, the movement distance of the cursor is determined according to the time which the device main body is shaken.

In addition, document 2 sets forth an input device, wherein if the same data is inputted consecutively a predetermined number of times, this inputted data is output, therefore it would be easy for a person skilled in the art to conceive of outputting a movement command code when the same movement command code has been obtained a predetermined number of times, in the input device set forth in document 1.